

MACHINE AND METHOD FOR MAKING
A ROTOGRAVURE PRINTING MEDIUM

ABSTRACT OF THE DISCLOSURE

A machine can deposit a film on a roll that will be used as a rotogravure printing medium. The machine has a carriage for rotatably holding the roll. Also included is a rotary driver for rotating the roll, and a linear driver for moving the carriage downstream along a processing path in order to move the roll axially. The machine also has a coating head with an orifice that is in communication with a source of composition for dispensing the composition onto the roll helically as a merging series of adjacent, self-leveling strip or bead portions. The carriage can be moved to one or more curing stations where the composition film will be (a) initially cured with a UV energy source at a primary energy flux density, and (b) secondarily cured with a UV energy source at a secondary energy flux density that is greater than the primary energy flux density.